## SOVIET MATHEMATICS

## Доклады Академии Наук СССР

Tom 232-Tom 237, 1977

Vol. 18, Nos. 1-6

January-December 1977

Pages 1-1574

## ANNUAL INDEX OF AUTHORS

Abduragimov, M. A. See Guseinov, A. I.	
Abrosimov, A. V. The Beltrami system with several independent complex variables	1339
Agoškov, V. I. See Marčuk, G. I.	
Aizenberg, L. A. On a formula for the generalized multidimensional logarithmic	
residue and the solution of systems of nonlinear equations	691
Aizenštat, A. V. On singular integral equations on a countable set of closed curves,	160
each enclosed within another	160
Aleksandrov, A. D. Mappings of domains of pseudo-Euclidean spaces	304
Aleškjavićene [Aleškevičiene], A. K. Approximation of the distribution of the maximum of the sum of random variables with mean small in absolute value	519
Alibekov, H. A. and Sobolevskii, P. E. On the stability of difference schemes for parabolic equations.	109
Alšynbaeva, E. On transformations of the Fourier coefficients of some classes of	
functions	1344
Aminov, Ju. A. On the immersion of domains of n-dimensional Lobačevskii space	1210
in (2n - 1)-dimensional Euclidean space	1210
Amirdžanov, G. P. On dense subspaces of countable pseudocharacter and other generalizations of separability	789
Amirov, A. H. See Lavrent'ev, M. M.	
Andreev, V. B. The mixed problem for the grid Laplace equation in a half-plane	794
Apanasov, B. N. and Savin, V. V. On a conjecture in the theory of spatial quasi-	742
Arakeljan, N. U. and Martirosjan, V. A. Uniform approximations in the complex plane by polynomials with gaps	901
Arhangel'skii, A. V. Compact Hausdorff spaces and unions of countable families of metrizable spaces	165
Extension of the spectral theorem of E. V. Ščepin to completely regular spaces	356
Arsen'ev. A. A. On the existence of invariant measures on the solution space of an	330
evolution equation	309
Aseev, V. V. and Varisov, A. K. On a test for quasi-conformality of mappings of smooth surfaces	800
Aubakirov, Ž. U. The inverse problem of quantum scattering theory for the general selfadjoint boundary condition at the origin	407
Badaljan, G. V. On the question of generalizations of Taylor's formula	45

905
005
995 867
1373
114
1467
1507
469
411
615
999
413
1127
1294
215
1004
1061
1009
1347
1378
1196
1065
1289
1498

Čanturija, T. A. On some asymptotic properties of solutions of ordinary differential equations	1123
Čencov, A. G. The value of a differential game with generalized payoff	1407
Černikov, S. N. The complete fundamental convolution of systems of linear inequal-	1407
ities	862
Černoljas, V. I. On entire functions of generalized completely regular growth of arbi-	
trary upper and lower order	780
Cickišvili, A. R. On conformal mapping of a half-plane onto circular quadrangles	464
Citovič, I. I. Maximization of the exit time from the domain of a process with small	
diffusion	827
Čunihin, S. A. On the Szép-Zappa theorem on Sylowizers	42
Cvetkov, V. M. On the 5-functions of some algebraic curves	1119
Dao Čong Thi. On minimal currents and surfaces in Riemannian manifolds	277
Dauletbaev, T. E. See Sarymsakov, T. A.	
Deič, V. G., Korotjaev, E. L. and Jafaev, D. R. Potential scattering taking account of	
spatial anisotropy	1019
D'jakonov, E. G. On selecting a triangulation in the projection-difference method, in	
connection with minimizing computational work	1029
D'jakonov, E. G. and Orehov, M. Ju. On the minimization of computational work in	1054
eigenvalue problems	1074
tests	423
Dmitruk, A. V. Quadratic conditions for a weak minimum for singular regimes in	
optimal control problems	418
Dol'nikov, V. L. On a generalization of Ramsey's theorem	223
Dubinskii, Ju. A. On traces of functions in Sobolev spaces of infinite order, and in-	
homogeneous boundary value problems	1136
Dybin, V. B. See Grudskii, S. M.	
Dyn'kin, E. M. On a constructive characterization of Sobolev and Besov classes	
Free interpolation in Hölder classes	1256
Džafarov, Arif S. Averaged moduli of continuity and some of their connections with	1205
best approximations	1205
Džaiani, G. V. A generalization of the Poisson formula in case of a half-plane for a degenerating equation of even order	1122
Džrbašjan, A. M. Multiple interpolation in the $H^p$ classes, $0$	837
	037
Džrbašjan, M. M. Basicity of certain biorthogonal systems and the solution of a multiple interpolation problem in the class H <sup>p</sup> <sub>2</sub>	706
Džuraev, A. On systems of first-order equations of composite type in space	583
Well-posed initial-value problems in a half-space for some systems of first-order	505
equations of composite type	808

Džuraev, A. On boundary value problems for some multidimensional systems of	
partial differential equations of first order	1302
Džuraev, A. and Muhamadiev, È. On the normal solvability and index of first-order	
systems of composite type	1024
Egorov, Ju. V. On solvability conditions for equations with double characteristics	632
On the subellipticity of the $\overline{\partial}$ -Neumann problem	1078
Èidel'man, S. D. See Kondrat'ev, V. A.	
Èl'-Fahham, M. M. See Siraždinov, S. H.	
Engibarjan, N. B. and Muradjan, M. G. Linear differential equations and Riccati equa-	
tions	917
Eršov, A. P. A theoretical principle of system programming	312
Evtuhov, V. M. On a nonlinear differential equation of second order	427
Evtušenko, Ju. G. See Gračev, N. I.	
Fedorčuk, V. V. On π-sets	572
On the dimension of $\chi$ -metrizable bicompacta, in particular Dugundji spaces	605
Fedosov, B. V. and Šubin, M. A. On the index of random elliptic operators and	
families of them	1285
Feigin, V. I. On spectral asymptotics for boundary value problems and the asympto-	
tics of the negative spectrum	255
Feizullaev, R. B. See Mustafaev, L. G.	
Fomin, A. S. Probabilistic characteristics and the form of an efficient decision func-	
tion	980
Formanov, Š. K. See Siraždinov, S. H.	
Freidlin, M. I. (see also Baier, D.)	
Sublimiting distributions and stabilization of solutions of parabolic equations	
with a small parameter	1114
Frolov, K. K. On the connection between quadrature formulas and sublattices of the	
lattice of integral vectors	37
$\label{lem:conditional} Gabdulhaev,\ B.\ G.\ \emph{Diameters and optimal quadrature formulas for singular integrals}$	700
Gasymov, M. G. On the solvability of boundary value problems for a class of opera-	
tor differential equations	943
Gasymov, M. G. and Magerramov, M. A. On the existence of transformation opera-	
tors for high-order differential equations polynomially depending on a para-	
meter	912
Gavrilov, V. I. and Kanatnikov, A. N. A characterization of the set P(f) for mero-	
morphic functions	219
Characterization of the set M(f) for meromorphic functions	270
Gel'fand, I. M. See Veršik, A. M.	
Geronimus, Ja. L. On some estimates for orthogonal polynomials and on Steklov's	
problem	1176

)	Gessel' [Gössel], M., Popov, Ju. V. and Sragovič, V. G. Adaptive control of partially observable Markov chains with rewards	1474
	Giorgadze, A. H. On an analogue of the Krohn-Rhodes theorem for probabilistic	
	automata	273
	Giršovič, Ju. M. See Levin, M. I.	
	Glazyrin, V. V. Topological and metric properties of k-saddle surfaces	532
	Godun, B. V. Equivalent norms on nonreflexive spaces	1180
	Gol'dman, M. L. Description of the traces of an anisotropic generalized Liouville class	366
	Golodec, V. Ja. Asymptotic commutativity in von Neumann algebras	361
	On automorphisms of von Neumann algebras	1477
	Golunkov, Ju. V. On the theory of systems of algorithmic algebras	122
	Gordeev, N. L. The infinitude of the number of relations in the Galois group of a	
	maximal p-extension with restricted ramification of a local field	535
	Gordon, E. I. Real numbers in Boolean-valued models of set theory, and K-spaces	1481
	Gorlov, V. V. On closed classes of k-valued logic, all superclasses of which have only trivial congruences	625
	Gössel, M. = Gessel', M.	
	Gračev, N. I. and Evtušenko, Ju. G. Application of the singular perturbation method for solving minimax problems	370
	Graev, M. I. See Veršik, A. M.	570
	Grigor'ev, D. Ju. Imbedding theorems for Turing machines of different dimensions and Kolmogorov's algorithms	588
	Grudnickii, V. G. and Prohorčuk, Ju. A. A method of constructing difference schemes with arbitrary order of approximation for partial differential equations	832
	Grudskii, S. M. and Dybin, V. B. The Riemann boundary value problem with discon-	002
	timities of almost periodic type in its coefficient	1383
	Gudivok, P. M. On representations of a direct product of groups over complete dis-	1000
	crete-valued rings	1388
	Gul'ko, S. P. On properties of subsets of Σ-products	1438
	Guseinov, A. I. and Abduragimov, M. A. On a quasi-linear system of equations of	1
	elliptic type	
	system of equations	170
		84
	Gusjatnikov, P. B. Escape and L-escape in an n-person differential game	04
	Gusjatnikov, P. B. and Mezencev, A. V. A differential game of escape with integral	127
	constraints on the controls of the players	629
	Gusevskii, N. A. On a problem in the theory of Kleinian groups	029
	Gutenmaher, L. I., Timošenko, Ju. A. and Tihončuk, S. T. On the dynamic method of modelling incorrect problems	1485

4 2 8

Gutljanskii, V. Ja. On the method of variations for univalent analytic functions with a quasi-conformal extension	1298
Harazišvili, A. B. On Sierpiński's problem concerning strict extendibility of an invari-	
ant measure	71
On nonmeasurable sets	211
Some properties of uniform subsets of the Euclidean plane	1057
Equicomposition of polyhedra relative to the group of homotheties and translations	1246
Has'minskii, R. Z. See Ibragimov, I. A.	
Heladze, Š. V. On the convergence of Fourier series almost everywhere and in L	106
Himčenko, B. N. See Kamynin, L. I.	
Ibragimov, A. I. On the behavior on the boundary of the solution of a linear degen-	
erate equation of second order with continuous coefficients	374
Ibragimov, I. A. and Has'minskii, R. Z. On the estimation of an infinite-dimensional	
parameter in Gaussian white noise	1307
A problem of statistical estimation in Gaussian white noise	1351
Ibragimov, I. I. and Šihaliev, N. I. On a constructive characteristic of a class of func-	
tions of a complex variable	1260
Iohvidov, I. S. On the (r, k)-characteristics of rectangular Hankel matrices	316
On extensions of rectangular Hankel matrices	378
Iosif'jan, G. A. See Oleĭnik, O. A.	
Isakov, V. M. On the inverse problem of the potential for hyperbolic equations	1411
Isakova, E. K. On the method of stationary phase	1392
Isanov, T. G. On the extension of infinitesimal bendings	842
Iskovskih, V. A. Birational automorphisms of algebraic 3-folds	748
Birational automorphisms of the Fano 3-fold $V_6^3$	948
Ivanov, L. A. On lacunae for operators splitting into Euler-Poisson-Darboux factors	432
On the Cauchy problem for factorable operators with singularities	711
Ivanov, V. I. On one-sided approximations of functions in the $L_p$ -metrics	135
Ivanov, V. K. The algebra of a class of generalized functions	1489
Ivrii, V. Ja. On wave fronts of solutions of the system of crystal optics	139
Wave fronts of solutions of symmetric pseudodifferential systems	540
Wave fronts of solutions of boundary value problems for symmetric hyperbolic	
systems	1082
Jafaev, D. R. See Deīč, V. G.	
Janenko, N. N. and Kovenja, V. M. A difference scheme for solving the multidimen-	
sional equations of gas dynamics	260
Janušauskas, A. I. Elementary theorems on the convergence of double Dirichlet	
series	610
On the coefficients of harmonic functions that are positive in the unit ball	785
Jarmuhamedov, Š. On the Cauchy problem for Laplace's equation	939

Juškevič, A. A. Controlled jump-type Markov processes	351
Kabanov, Ju. M., Lipcer, R. Š. and Širjaev, A. N. "Predictable" criteria for absolute	001
	1515
Kalašnikov, V. V. Solution of the stability problem for regenerative processes	6
Kaljabin, G. A. Imbedding theorems for generalized Besov and Liouville spaces	227
	1310
Kamaev, D. A. See Žirov, A. Ju.	
Kamenskii, A. G., Kamenskii, G. A. and Myškis, A. D. On the convergence of the finite-difference method of numerically solving boundary-value problems for	
linear differential-difference equations	321
Kamenskii, G. A. (see also Kamenskii, A. G.)	
On a conditional extremum of a functional with deviating argument	921
Kamynin, L. I. and Himčenko, B. N. On a priori boundary estimates for the solutions	
of second order equations with nonnegative characteristic form	10
On a strong extremum principle for degenerating parabolic equations of second order	1315
Kamyšanskii, N. R. Classification of complete and simply connected pseudo-	
Riemannian spaces $V^n$ , $n \ge 3$ , containing at least one pole	437
Kanatnikov, A. N. See Gavrilov, V. I.	
Kanovič, M. I. Complexity of complete systems of equivalent transformations in programming languages	54
On the precision of a complexity criterion for nonrecursiveness and universality	232
Complex properties of context-sensitive languages	383
Karlovič, Ju. I. and Kravčenko, V. G. On a singular integral operator with non-	
Carleman shifts on an open contour	1263
On systems of functional and integro-functional equations with a non-Carleman	
shift	1319
Katerinočkina, N. N. Search for a maximal upper zero for a class of monotone func- tions in k-valued logic	751
Kaz'min, Ju. A. On the closures of the linear hulls of two systems of functions	1227
Kerov, S. V. See Veršik, A. M.	
Kifer, Ju. I. On the spectral stability of invariant tori under small random perturba- tions of dynamical systems	952
Kljušin, Ja. G. Informational structure and equivalence of strategies in differential games	14
Kobel'kov, G. M. On an iterative method of solving difference problems in elasticity	
theory	488
Kolobaev, V. V. and Saak, E. M. On a class of hyperbolic systems	179
Kombarov, A. P. Normal o-products	184
Komeč, A. I. See Víšik, M. I.	

Komissarčik, È. A. Simple groups with fewer than thirteen conjugacy classes	1536
Kondakov, V. P. See Baran, V. I.	
Kondrat'ev, V. A. and Eidel'man, S. D. On nonnegative solutions of over-determined	
systems of partial differential equations	1447
Konjaev, S. I. Ninth-order quadrature formulas invariant with respect to the icosa- hedral group	497
Konovalov, M. G. On adaptive control of some classes of Markov chains	493
Kopylov, A. P. On the removability of a ball for spaces of mappings which are close to conformal	715
Kopylov, G. N. On maximal paths and cycles in a graph	593
Kordzadze, R. A. Infinite systems of Fredholm integral equations	325
Korobicyn, V. A. and Libin, È. E. On the exact solution of some difference problems Korolev, M. F. See Rožkov, V. I.	1038
Korotjaev, E. L. See Deīč, V. G.	
Koršunov, A. D. Solution of Dedekind's problem on the number of monotonic	
Boolean functions	442
Košelev, A. D. On the kernel function of the Hilbert space of functions polyanalytic in a disc	59
Koselev, A. I. On the continuity of solutions of quasi-linear elliptic systems of second order	142
Kostočka, A. V. Upper bounds on the chromatic number of a graph in terms of its	112
degree, density and girth	957
Kovenja, V. M. See Janenko, N. N.	
Kozjakin, V. S. Subfurcation of periodic oscillations	18
Kozlov, S. M. Averaging differential operators with almost periodic rapidly oscillating	
coefficients	1323
Krapivin, A. A. and Ljubič, Ju. I. Estimates of Lipschitz constants for polynomial	
operators in a simplex	718
Krasnosel'skii, M. A. and Pokrovskii, A. V. The principle of absence of bounded	
solutions in the problem of absolute stability	388
Krasovskii, N. N. Mixed strategies in differential games	960
Extremal constructions for a differential game	1148
A convergence-evasion game with stochastic guide	1519
Kravčenko, V. G. See Karlovič, Ju. I.	
Kravcov, V. V. Approximation of functions of several variables by an antenna poten- tial	279
Krein, M. G. and Spitkovskii, I. M. On factorization of matrix-valued functions on the unit circle	
Krivenkov, Ju. P. Necessary optimality conditions for a linear problem with second	- 12
order differential equations of elliptic type in the presence of phase constraints	22
Krol', M. D. Disjunctive and existential properties of intuitionistic analysis with Kripke's scheme	755

)	Krupnik, N. Ja. A quasi-nilpotency condition for integral operators. Perturbation of operators of local type	759
	Kučkarov, Ja. H. (see also Sarymsakov, T. A.)	
	Convergence of semifield-valued measures in the Prohorov metric	1415
	Convergence of semifield-valued distributions and a generalization of the Lindeberg-Feller theorem	1540
	Kurina, G. A. Asymptotic solution of a classical singularly perturbed optimal control problem	722
	On a degenerate optimal control problem and singular perturbations	1452
	Kutateladze, S. S. Formulas for computing subdifferentials	146
	Changes of variables in the Young transformation	545
	Extremal operators	646
	Kuzičev, A. S. A system of λ-conversion with logical operators and an equality operator	1268
	Formal arithmetic in the A-system of \(\lambda\)-conversion	1327
	Kuz'mina, R. P. On an upper estimate for the number of central configurations in the planar n-body problem	818
	Kuz'minyh, A. V. On integral distances	189
	Landis, E. M. and Panasenko, G. P. A theorem on the asymptotics of solutions of elliptic equations with coefficients periodic in all variables except one	1140
	Landsman, Z. M. See Siraždinov, S. H.	
	Laptev, A. A. Spectral asymptotics of a composition of pseudodifferential operators and reflections from the boundary	1273
	Lavrent'ev, M. M. and Amirov, A. H. On a conditionally correct problem	149
	Lebedinskaja, N. B. See Šahbazjan, K. V.	
	Leites, D. A. New Lie superalgebras and mechanics	1277
	Leonov, A. S. On the computation of the values of unbounded operators by the averaging method	882
	Levičev, A. V. On a connected preorder.	1144
	Levin, L. A. On a concrete method of assigning complexity measures	727
	Levin, M. I. and Giršovič, Ju. M. Extremal problems for cubature formulas	1355
	Levitan, B. M. On the solvability of the inverse Sturm-Liouville problem on the entire line	597
	On the solvability of the inverse Sturm-Liouville problem on the whole axis in the case of an infinite number of lacunas in the spectrum	964
	Levitan, B. M. and Otelbaev, M. On conditions for selfadjointness of the Schrödinger	
	and Dirac operatorsLibin, È. E. See Korobicyn, V. A.	1044
	Linke, Ju. E. Sublinear operators and Lindenstrauss spaces	601

Linke, Ju. E. and Tolstonogov, A. A. Representation of sublinear operators by multi-	640
valued mappings	649
Lipcer, R. S. See Kabanov, Ju. M.	
Lisica, Ju. T. On the exactness of the spectral homotopy group sequence in shape	1186
theory	
Liskovec, O. A. Optimal properties of the smoothing functional principle	654
Ljubič, Ju. I. See Krapivin, A. A.	
Logvinenko, V. N. On interpolation by entire functions of several complex variables Lomov, S. A. See Valiev, M. A.	659
Lotov, V. I. Complete asymptotic expansions in two-boundary problems for random walks	63
Luckii, Ja. A. Double pseudodifferential operators in spaces of generalized functions	
that increase exponentially	968
Magerramov, M. A. See Gasymov, M. G.	
Magnickii, N. A. On the existence of multiparameter families of solutions of a Volterra integral equation of the first kind	1049
Mainik, I. F. On curves in reductive spaces	972
Makanin, G. S. The problem of solvability of equations in a free semigroup	330
Makšanov, A. V. and Šalaevskii, O. V. On approximation at the tails of some distri-	000
butions in mathematical statistics	1419
Maksimov, V. M. Uniform distribution of points and a local theorem for random	
motions.	67
A local theorem for lattice motions of the Euclidean plane	1545
Maksimova, L. L. Craig's interpolation theorem and amalgamable varieties	1550
Mandžavidze, G. F. On the reduction of the boundary value problem of linear con-	
jugation with a shift to the problem of linear conjugation	763
On the application of the theory of generalized analytic functions to a boundary value problem of conjugacy with displacement	1554
The state of the s	1554
Marčuk, G. I. and Agoškov, V. I. On the choice of coordinate functions in the gen- eralized Bubnov-Galerkin method	237
Margulis, G. A. and Soifer, G. A. A criterion for the existence of maximal subgroups of infinite index in a finitely generated linear group	847
Martirosjan, V. A. See Arakeljan, N. U.	
Maslov, V. P. and Mosolov, P. P. The behavior as $N \to \infty$ of the trajectories of N particles interacting according to Newton's law	1523
Maz'ja, V. G. On the relationship between the Martin and Euclidean topologies	283
On the behavior near the boundary of solutions of the Dirichlet problem for the biharmonic operator	1152
Mednyh, A. D. On branchéd coverings of Riemann surfaces with the trivial group of	,0
covering transformations	1156
On an example of a compact Riemann surface with trivial automorphism group	1396

Megrabov, A. G. Some inverse problems for an equation of mixed type	
Men'sov, D. E. An interrelation between the convergence of subsequences of partia	
sums of a numerical series and its summability by Abel's method	
Mezencev, A. V. See Gusjatnikov, P. B.	
Mirošin, N. V. The generalized external Dirichlet problem for an elliptic operator	
degenerating on the boundary of the domain	1052
Míščenko, A. S. and Solov'ev, Ju. P. On infinite-dimensional representations of fun	ida-
mental groups and formulas of Hirzebruch type	
Mjasnikov, A. G. and Sazonov, L. I. On singular integral operators with non-Careln	
shift	
Mjuller, V. [W. Müller], Analytic torsion of Riemannian manifolds	
Moiseev, E. I. The uniform convergence of certain expansions in a closed domain	549
Molčanov, S. A. See Varčenko, A. N.	
Molčanov, V. F. The restriction of a representation of the complementary series of	
pseudo-orthogonal group to a pseudo-orthogonal group of lower dimension	
Morozov, V. A. L-pseudoinversion and its properties	
Moskalenko, A. I. Sufficient conditions for simultaneous optimality of systems	92
Moskalev, O. B. Boltzmann's H-theorem for a gas in a thermostat	88
Mosolov, P. P. See Maslov, V. P.	
Muhamadiev, È. See Džuraev, A.	
Muhometov, R. G. The problem of recovery of a two-dimensional Riemannian men	ric
and integral geometry	27
Müller, W. = Mjuller, V.	
Muradjan, M. G. See Engibarjan, N. B.	
Mustafaev, L. G. On a semiheap of continuous open mappings	287
Mustafaev, L. G. and Feizullaev, R. B. Semiheaps of multivalued mappings of topo	-
logical spaces	153
Myškis, A. D. See Kamenskii, A. G.	
Mysovskih, I. P. On the evaluation of integrals over the surface of a sphere	925
Naboko, S. N. On the spectral analysis of nonselfadjoint operators	32
Nahušev, A. M. The Sturm-Liouville problem for an ordinary second-order different	tial
equation with fractional derivatives in the lowest terms	666
On the theory of boundary value problems for an equation of mixed hyperbolic	
parabolic type	930
Naimark, M. A. On a condition for the decomposability of a homogeneous representation	n-
tation of a locally compact group into a direct Radon integral of its irreducib	
representations. L. The case of a cyclic representation	393
Nemec, A. G. and Pasynkov, B. A. On two general approaches to factorization	
theorems in dimension theory	
Nikol'skii, Ju. S. Inequalities between seminorms of differentiable functions of seven	eral 1424

Nižnik, L. P. and Tarasov, V. G. The inverse nonstationary scattering problem for a	
hyperbolic system of equations	397
Novickii, M. V. A general integral representation of completely L-superharmonic func-	
tions	1231
Novruzov, A. A. On a necessary and sufficient condition for regularity of boundary	
points for quasi-linear elliptic equations of second order	446
Nudel'man, A. A. On a new problem of moment problem type	507
Obuhov, A. M. On symmetrizable nonlinear systems	. 291
Oganesjan, S. M. and Starostenko, V. I. Iterative methods of solving ill-posed problems	671
Ohezin, S. P. See Osipov, Ju. S.	
Oleinik, O. A. and Iosif'jan, G. A. Energy estimates for generalized solutions of	
boundary value problems for second-order elliptic equations, and their applica-	
tions	241
Orehov, M. Ju. See D'jakonov, E. G.	
Osipov, Ju. S. and Ohezin, S. P. On the theory of positional control in hyperbolic	
systems	450
Ostrovskii, E. I. Covariance operators and some estimates of Gaussian vectors in a	
	1234
Otelbaev, M. (see also Levitan, B. M.)	
On the separability of elliptic operators	732
On weighted imbedding theorems	852
Estimates of the Kolmogorov diameters for a class of Besov spaces	1159
Ovsepjan, S. G. On Hausdorff extensions that are quotient spaces of Fomin exten-	
sions of topological spaces	822
Palamodov, V. P. From hyperfunctions to analytic functionals	975
Panasenko, G. P. See Landis, E. M.	
Parovičenko, I. I. On the structure of a class of set-theoretic operations	1428
Pasynkov, B. A. See Nemec, A. G.	
Pinčuk, S. I. Analytic continuation of mappings along strictly pseudoconvex hyper-	
surfaces	1237
Plykin, R. V. See Žirov, A. Ju.	
Podgaev, A. G. On the solvability of the generalized Tricomi problem for a nonlinear	
equation	1359
Pokrovskii, A. V. See Krasnosel'skii, M. A.	
,	1241
Pomel'nikov, Ju. V. and Suvorov, G. D. A new family of conformally invariant	
metrizable compactifications of a planar region	
Ponomarev, S. M. On an eigenvalue problem for the Lavrent'ev-Bicadze equation	296
On an eigenvalue problem for the Lavrent'ev-Bicadze equation	1090
Popov, Ju. V. See Gessel', M.	

Popov, N. N. Conditions for geometric ergodicity of countable Markov chains	676
Porper, F. O. Estimates for the derivatives of a fundamental solution of a stationary	
divergence parabolic equation in terms of constants that do not depend on the	
smoothness of the coefficients	1092
Pospelov, A. S. Representations of profinite groups and orthonormal systems	1563
Prohorčuk, Ju. A. See Grudnickii, V. G.	
Pšeničnyi, B. N. A method of minimizing functions without computing derivatives	1097
Pytkeev, E. G. On the theory of condensations onto compact metric spaces	554
Radkevič, E. V. The complex wave front in the problem of analyticity of solutions	
of linear partial differential equations	459
Radžabov, N. Potentials and analogs of Poisson's formula for a second order equa-	
tion with n singular hyperplanes	455
Integral representations, in terms of the solution of equations with regular coef-	
ficients, for some classes of differential equations of elliptic type	511
Rafal'son, S. Z. On partial sums of Fourier series in orthogonal polynomials	1567
Rančin, D. V. Tightness, sequentiality and closed coverings	196
Rodin, Ju. L. The structure of the general solution of the Riemann boundary value	
problem for a holomorphic vector on a compact Riemann surface	201
Romanko, V. K. On boundary value problems for differential operator equations	
that are not solved for the highest derivative	1101
Rožkov, V. I. and Korolev, M. F. Periodic solutions of linear difference systems with	
a small difference	1399
Rubinštein, G. Š. and Vladimirov, Ju. N. On increasing functions of bounded con-	
vex variation	1191
Rusakov, S. A. The subgroup structure of n-ary groups with a Hall M-quasi-invariant	242
cyclic subgroup	343
Rvačev, V. A. On approximation by means of the function up(x)	340
Ryžkina, T. A. On some homeomorphisms of the space R <sup>3</sup> from the point of view of	
their action on specific differential systems	1106
Saak, E. M. See Kolobaev, V. V.	F1.F
Sabinin, L. V. Odules as a new approach to a geometry with a connection	
Safonov, V. F. Regularized asymptotic solutions of nonlinear singularly perturbed sys- tems of differential equations	
Šahbazjan, K. V. and Lebedinskaja, N. B. Minimization of the total cost in the problem	
of parallel ordering of n independent tasks	1503
Saks, R. S. On the theory of systems of one-dimensional singular integro-differential	
equations reducible to systems of normal type	737
Boundary value problems for weakly elliptic systems of differential equations	1364
Šakuov, S. N. Fast Turing computations and their linear speedup	1250
Salaguakii O V Sag Makeanov A V	

Salihov, V. H. On the differential irreducibility of a class of differential equations	891
Samarov, K. L. Regularization of the isosceles three-body problem for a nonzero	
area vector	245
Regularization of the isosceles three-body problem with zero area vector	558
Samko, S. G. Generalized Riesz potentials and hypersingular integrals, their symbols and inversion	97
Sarymsakov, T. A., Kučkarov, Ja. H. and Dauletbaev, T. E. Convergence of Boolean	
measures in metric spaces	206
Savin, V. V. See Apanasov, B. N.	
Savinov, N. V. Two examples in the dimension theory of bicompacts	299
Sazonov, L. I. See Mjasnikov, A. G.	
Ščepin, E. V. A finite-dimensional compact absolute neighborhood retract is metriz-	402
Ščerbina, N. V. On the continuity of one-parameter families of sets	688
Šehtman, V. B. On incomplete propositional logics	985
Semenjuta, V. N. On singular operator equations with shift on a circle	1572
Šeremeta, M. N. The growth in an angle of entire functions given by lacunary power series	1253
Sergeev, A. G. Uniform estimates for the $\bar{\partial}$ -problem in a Levi-Weil domain	1335
Šihaliev, N. I. See Ibragimov, I. I.	1000
Siraždinov, S. H. and Landsman, Z. M. An estimate of the remainder term in the	
asymptotic behavior of the Fisher information contained in statistics of the ad-	
ditive form	157
Siraždinov, S. H., Formanov, Š. K. and El'-Fahham, M. M. On estimates of the re-	
mainder term in a local theorem for the densities of sums of independent ran-	
dom variables	102
Širjaev, A. N. See Kabanov, Ju. M.	
Širokov, N. A. Approximate entropy of continua	990
Skubenko, B. F. On a theorem of Čebotarev	348
Slastnikov, A. D. Moderate zones of normal convergence	1528
Sobolev, S. L. The coefficients of optimal quadrature formulas	896
On the roots of Euler polynomials	935
Sobolevskii, P. E. See Alibekov, H. A.	
Soifer, G. A. See Margulis, G. A.	
Solov'ev, Ju. P. See Miščenko, A. S.	
Soltan, V. P. A theorem on complete sets	680
Spitkovskii, I. M. See Krein, M. G.	
Šragin, I. V. On the continuity of locally defined operators	. 75
Sragovič, V. G. See Gessel', M.	
Štaras, A. L. Asymptotic integration of weakly nonlinear partial differential equations Starostenko, V. I. See Oganesjan, S. M.	

Ste

St

S

Stepanov, G. D. Criteria for sign regularity of the Green's function of a two-point	-tu-V
boundary value problem	772
Sternin, B. Ju. On quantization conditions in the complex theory of Maslov's can-	9
onical operator. The complex theory of Fourier integral operators	250
Strugov, Ju. F. Some properties of mappings that are quasi-conformal in the mean	1168
Subbotin, A. I. A dynamic convergence-evasion game	683
Šubin, M. A. See Fedosov, B. V.	
Suleimanov, N. M. On estimates of Wiman-Valiron type for the solutions of inverse parabolic equations	1369
Šurygin, V. A. On estimates of the complexity of algorithmic problems in con-	1507
structive analysis	577
Suslin, A. A. A cancellation theorem for projective modules over algebras	1281
Suvorov, G. D. See Pomel'nikov, Ju. V.	
Svešnikov, A. G. The incomplete Galerkin method	1331
Tarasov, V. G. See Nižnik, L. P.	
Tersenov, S. A. On the first boundary value problem for an elliptic-parabolic equa-	
tion	857
On some properties of the solutions of an equation of elliptic type on surfaces of	
degeneracy	1404
Tihomirov, V. V. On a nonregular boundary value problem	209
Tihončuk, S. T. See Gutenmaher, L. I.	
Timofeev, E. A. On the construction of an edgewise m-connected skeletal subgraph	
with minimal length of a maximal edge	563
Timošenko, Ju. A. See Gutenmaher, L. I.	
Tolstonogov, A. A. See Linke, Ju. È.	
Ul'janov, P. L. On Weyl multipliers for unconditional convergence of orthogonal	
series	1110
On the metrizability of a topological space	776
Ul'janov, V. M. Solution of a basic problem on compactifications of Wallman type	567
Ustimenko-Bakumovskii, V. A. The lattice of supergroups of an induced symmetric	
group	1433
Valiev, M. A. and Lomov, S. A. A general approach to the asymptotic integration	
of singularly perturbed problems in the case of an unbounded nonselfadjoint	
operator	1173
Varčenko, A. N. and Molčanov, S. A. Applications of the method of stationary	
phase in limit theorems for Markov chains	265
Varisov, A. K. (see also Assev, V. V.)	
On the extension of quasi-conformal space mappings	745
Vaščenko, V. P. The general case of simple function decomposition	696
Vasil'ev, D. G. On the zeros of the bending deflection function in the theory of free	
vibrations of shells of revolution	1470

Vasilevskii, N. L Symbols of operator algebras	872
Vedenjapin, V. V. (see also Bobylev, A. V.)	
On the uniqueness of Boltzmann's H-function	474
Venkov, A. B. On an asymptotic formula connected with the number of eigenvalues	
corresponding to odd eigenfunctions of the Laplace-Beltrami operator on a funda	
mental region of the modular group PSL(2, Z)	. 524
On the space of cusp forms for certain Fuchsian groups generated by reflections	1214
Veršik, A. M. and Kerov, S. V. Asymptotics of the Plancherel measure of the sym-	
metric group and the limiting form of Young tables	527
Veršik, A. M., Gel'fand, I. M. and Graev, M. I. Representations of the group of smooth	h
mappings from a manifold X into a compact Lie group	118
Veršinin, V. A. On certain operations over constructive sets with equality	620
Vertgeim, B. A. On multidimensional analogs of a geometric theorem of Poincaré	1218
Vinogradov, A. M. On the algebro-geometric foundations of Lagrangian field theory	1200
Vinogradov, A. P. On the existence of a majorizing local algorithm in effectively de-	
scribable problems of computing information	1014
Vinokurov, V. A. Interpolation of locally convex topologies	79
Mappings of complete lattices preserving bounds	804
Interpolation in categories of topological type	877
Vīšik, M. I. and Komeč, A. I. Infinite-dimensional parabolic equations connected with	
stochastic partial differential equations	479
Vladimirov, Ju. N. See Rubinštein, G. Š.	
Vlasov, V. M. On a method of solving some plane mixed problems for Laplace's	
equation	1511
Volkov, E. A. A difference-analytic method of calculating the potential field on	1
polygons	1531
Voronin, S. M. On the zeros of zeta-functions of quadratic forms	910
Vuvunikjan, Ju. M. Fundamental hyperfunctions of evolution operators in a locally	
convex space	1069
Zaharov, V. K. Category characterizations of completions of vector lattices	813
Zaidenberg, M. G. On isometric classification of symmetric spaces	636
Zelinskii, Ju. B. On the investigation of quasi-interior mappings by local degree	
methods	175
Zensykbaev, A. A. Best quadrature formulas for some classes of nonperiodic functions	1222
Žirov, A. Ju., Kamaev, D. A. and Plykin, R. V. One-dimensional plane solenoids and	
some of their applications	130
Žukovskii, E. L. On generalized solution of systems of linear algebraic equations	49
Žuravlev, I. V. On some problems for block functions	1184
Žuravlev, Ju. I. Extremal algorithms in an algebra over incorrect algorithms	1443
Algebras over sets of incorrect (heuristic) algorithms	1034
Zvjagina, R. A. See Bulavskii, V. A.	

14

20 18

79 04

3 36



